

WHAT IS CLAIMED IS:

1. An electro-optical apparatus having a plurality of pixel areas, comprising:
  - a first substrate formed with a plurality of first functional devices corresponding to the plurality of pixel areas, respectively;
  - a conductive paste; and
  - a second substrate formed with a plurality of second functional devices corresponding to the plurality of pixel areas, the second substrate being adhered to the first substrate, the first functional devices and the second functional devices being connected to each other via the conductive paste.
2. An electro-optical apparatus having a plurality of pixel areas, comprising:
  - a first substrate formed with a device chip including one or a plurality of first functional devices corresponding to the plurality of pixel areas respectively;
  - a conductive paste; and
  - a second substrate formed with a plurality of second functional devices corresponding to the plurality of pixel areas, respectively, the second substrate being adhered to the first substrate, the device chip and the second functional devices being connected to each other via the conductive paste.
3. The electro-optical apparatus according to Claim 1, the conductive paste being formed by a screen process printing.
4. The electro-optical apparatus according to Claim 1, the conductive paste also serving as a spacer between the first substrate and the second substrate.
5. The electro-optical apparatus according to Claim 1, the first functional device being a thin film transistor.
6. The electro-optical apparatus according to Claim 1, the second functional device being an organic electro-luminescence device.
7. Electronic equipment, comprising:
  - the electro-optical apparatus according to Claim 1.
8. A method of manufacturing an electro-optical apparatus having a plurality of pixel areas, comprising:
  - forming a plurality of first functional devices corresponding to the plurality of pixel areas, respectively, on a first substrate;
  - forming a plurality of second functional devices corresponding to the plurality of pixel areas on a second substrate;

forming a conductive paste to connect the first functional device and the second functional device on at least one of the first substrate and the second substrate; and  
adhering the first substrate and the second substrate.

9. A method of manufacturing an electro-optical apparatus having a plurality of pixel areas, comprising:

forming a device chip including one or plurality of first functional devices corresponding to the plurality of pixel areas, respectively, on a first substrate;

forming a plurality of second functional devices corresponding to the plurality of pixel areas, respectively, on a second substrate;

forming a conductive paste to connect the device chip and the second functional device on at least one of the first substrate and the second substrate; and

adhering the first substrate and the second substrate.

10. The method of manufacturing an electro-optical apparatus according to Claim 8, further including forming the conductive paste so as to be thicker than at least one of the first functional device on the first substrate and the second functional device on the second substrate.

11. The method of manufacturing an electro-optical apparatus according to Claim 8, further including laminating the conductive paste by repeating the screen process printing a plurality of times, and forming the conductive paste to be thicker than at least one of the first functional device on the first substrate and the second functional device on the second substrate.

12. The method of manufacturing an electro-optical apparatus according to Claim 11, further comprising forming a pattern to align with the screen mask used in the screen process printing on the first substrate or the second substrate.

13. The method of manufacturing an electro-optical apparatus according to Claim 12, further including providing a mark on the first substrate or on the second substrate to check printing misalignment of the screen process printing, and printing a mark, corresponding to the pattern formed on the first substrate or on the second substrate, on the first substrate or on the second substrate by the screen process printing.

14. The method of manufacturing an electro-optical apparatus according to Claim 11, further including placing the first substrate or the second substrate on an adsorption stage using an attachment to cover a blank space generated on the adsorption stage during the screen process printing.

15. The method of manufacturing an electro-optical apparatus according to Claim 8, further including adhering the first substrate and the second substrate by an adhering jig constructed to adjust the position of the first substrate and the second substrate while maintaining the first and second substrates substantially parallel with each other in the adhering.

16. The method of manufacturing an electro-optical apparatus according to Claim 15, the adhering jib including at least three micro heads to perform fine adjustment of the positioning, fine adjustment of the relative position between the first substrate and the second substrate being performed by the plurality of micro heads.